

CODE WRAPPING TO SIMPLIFY ACCESS TO AND USE OF ENTERPRISE JAVA BEANS

ABSTRACT

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An improved method to access software components on a server network, such as enterprise beans according to the Enterprise JavaBeans architecture, by using a wrapper called an Access Bean. Access Beans hide the home and remote interface methods of an Enterprise JavaBeans server from a client program so that the task of consuming an enterprise bean is one of consuming a standard Java bean. The home interface method of the enterprise bean is mapped to appropriate constructors in the Access Bean; and the remote interface method of the enterprise bean is mapped to Java Beans methods which in turn call the corresponding business methods on the enterprise bean. More than one type of Access Bean permits caching of attributes of the enterprise bean and indexing the cache so that a plurality of instances of an enterprise bean can be efficiently supported.

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